Applies To: **1999–04 Odyssey EX** – ALL
1998–02 Accord EX V6 – ALL
2001–02 Accord EX – ALL

February 4, 2005

Remote Audio Controls Do Not Work Properly

(Supersedes 03-022, dated May 20, 2003)

SYMPTOM

When you turn the steering wheel, the remote audio switches do not work properly.

PROBABLE CAUSE

The steering shaft resistance varies because the ground path does not have full contact through the bearing.

CORRECTIVE ACTION

Dimple the copper shield on the steering column ball bearing in eight places.

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

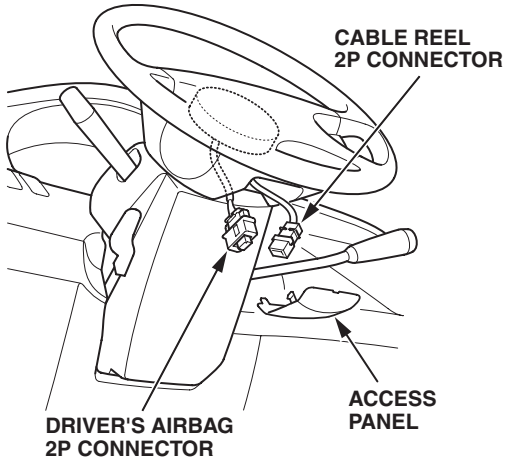
Operation Number:	510020
Flat Rate Time:	1.5 hours
Failed Part:	P/N 53200-S0X-A53 H/C 6788798
Defect Code:	06601
Symptom Code:	03280
Template ID:	03-022B
Skill Level:	Repair Technician

Out of warranty: Any repair performed after warranty expiration may be eligible for goodwill consideration by the District Parts and Service Manager or your Zone Office. You must request consideration, and get a decision, before starting work.

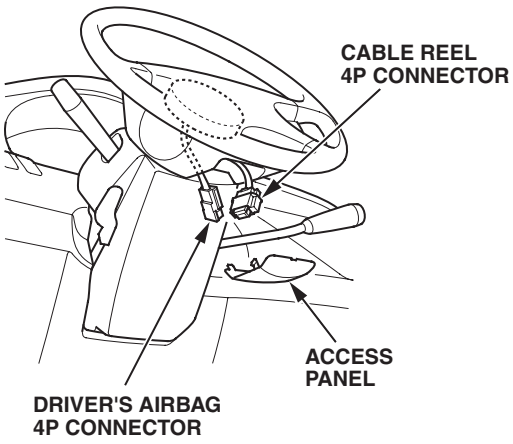
REPAIR PROCEDURE A - ODYSSEY

NOTE: Before doing any repairs or services, review the SRS components in this area (see page 23-18 of the 1999–04 Odyssey Service Manual) and the precautions and procedures (see page 23-21).

1. Make sure you have the anti-theft code for the radio and navigation system (if equipped). Write down your customer's radio station presets.
2. Disconnect the battery negative cable. Wait at least 3 minutes to allow the SRS control unit to discharge.
3. Remove the access panel from under the steering wheel.
4. *1999–01 models:* Unplug the cable reel 2P connector from the driver's airbag 2P connector.



2002–04 models: Unplug the cable reel 4P connector from the driver's airbag 4P connector.



NOTE: When unplugged, the driver's airbag connector is automatically shorted.

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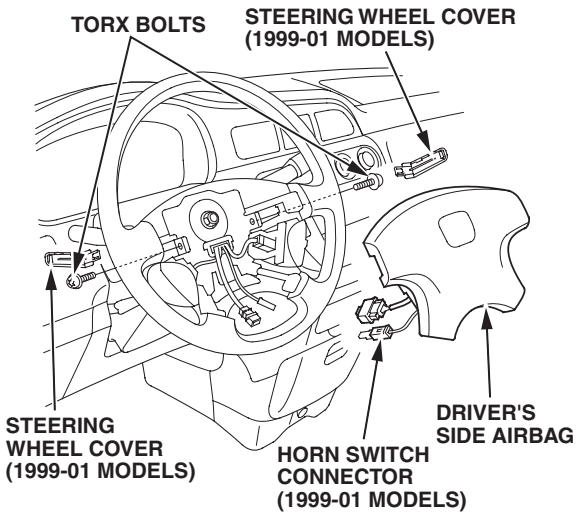
Skill Level R REPAIR

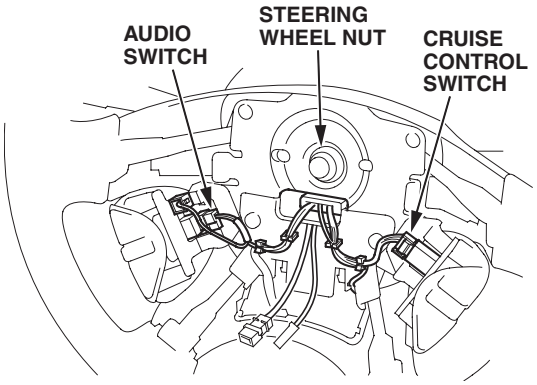
CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

5. *1999–01 models:* Remove the two steering wheel covers. Use a Torx T30 bit to remove the two Torx bolts. Lift up the driver's airbag, disconnect the horn switch 1P connector, and remove the driver's airbag.

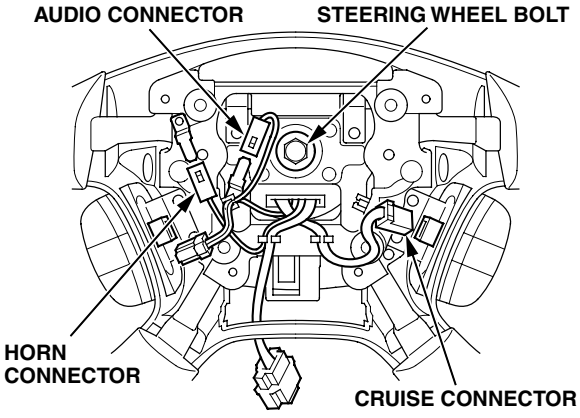
   2002–04 models: Use a Torx T30 bit to remove the two Torx bolts. Remove the driver's airbag



6. *1999–01 models:* Unplug the connectors from the remote audio and cruise control switches.

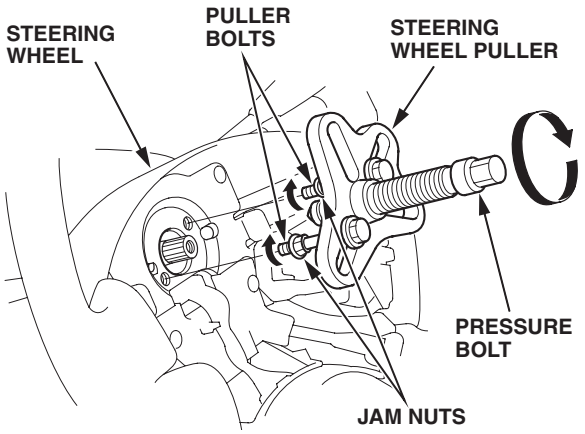


   2002–04 models: Unplug the connectors from the horn, remote audio, and cruise control switches



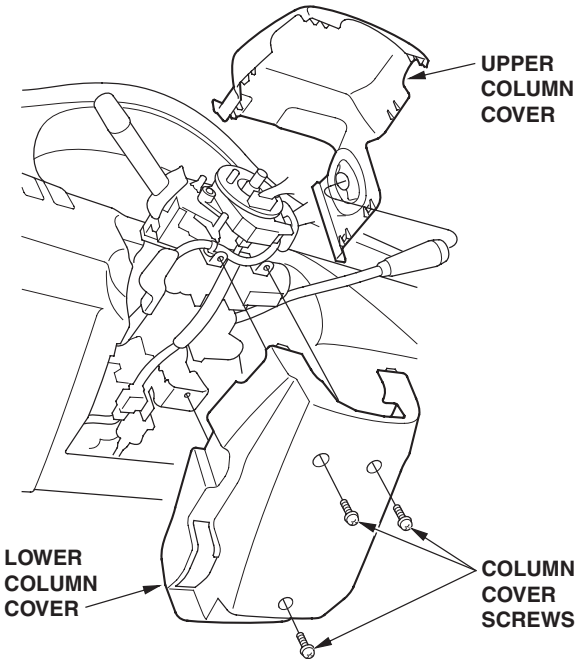
7. Make sure the front wheels are aligned straight ahead.
8. *1999–01 models:* Loosen the steering wheel nut. Make an alignment mark on the steering wheel shaft with a paint stripe.

   2002–04 models: Loosen the steering wheel bolt. Make an alignment mark on the steering wheel shaft with a paint stripe.
9. Using a commercially available steering wheel puller, release the steering wheel from the steering shaft. While pulling on the steering wheel, note these items:
   - Do not tap on the steering wheel or the steering column shaft when removing the steering wheel.
   - If you thread the puller bolts into the wheel hub more than five threads, the bolts will hit the cable reel and damage it. To prevent this, install a pair of jam nuts five threads up on each puller bolt.

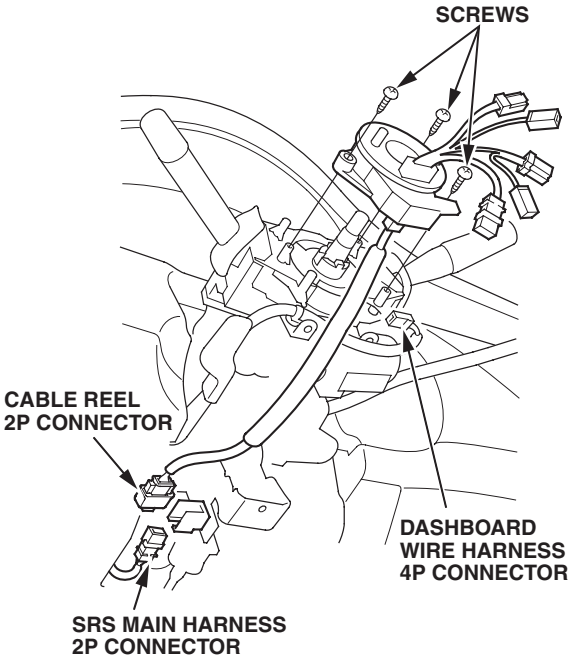


10. Remove the steering wheel puller. Remove the nut or bolt, and then remove the steering wheel from the steering column.
11. Remove the dashboard lower cover.

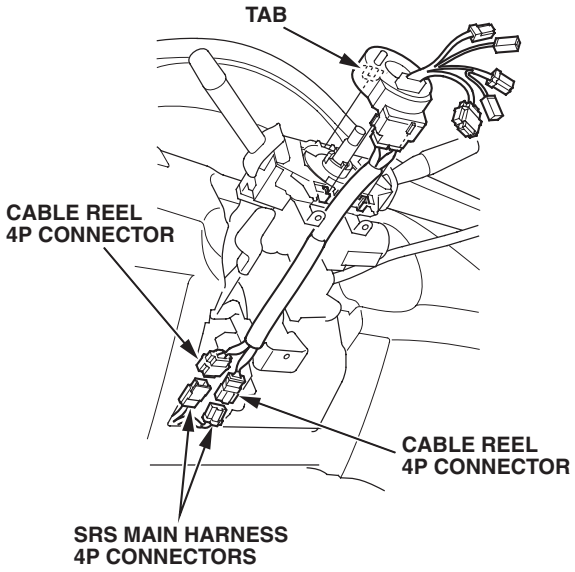
12. Remove the upper and lower steering column covers.



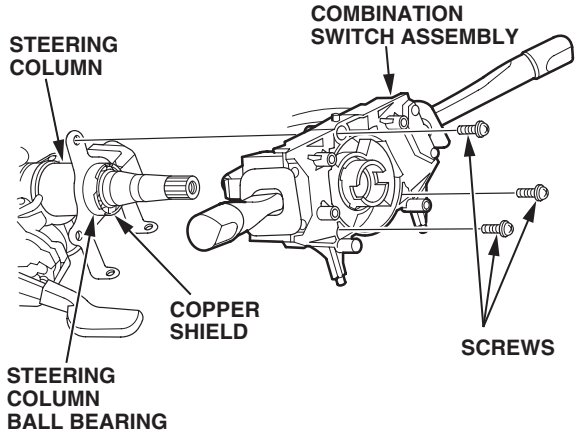
13. *1999–01 models:* Unplug the SRS main harness 2P connector from the cable reel 2P connector, and then detach the dashboard wire harness 4P connector from the cable reel. Remove the screws from the cable reel, and then remove the cable reel from the column



2002–04 models: Unplug the SRS main harness 4P connectors from the cable reel 4P connectors. Release the tab, and then remove the cable reel from the column.



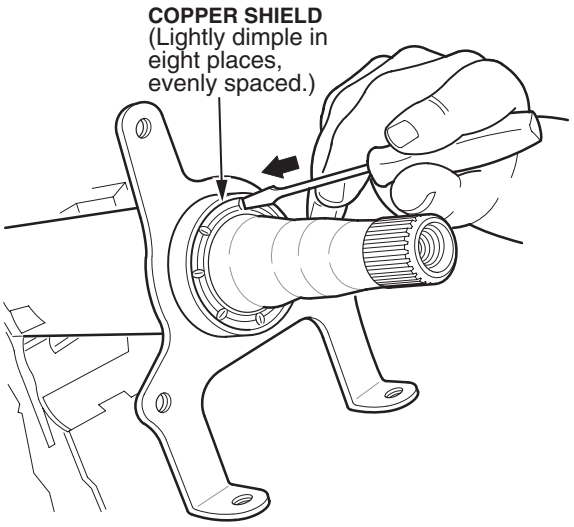
14. Unplug the combination switch 14P connector and both wiper/washer 8P connectors. Remove the three screws from the combination switch assembly, and then remove the combination switch from the steering column.



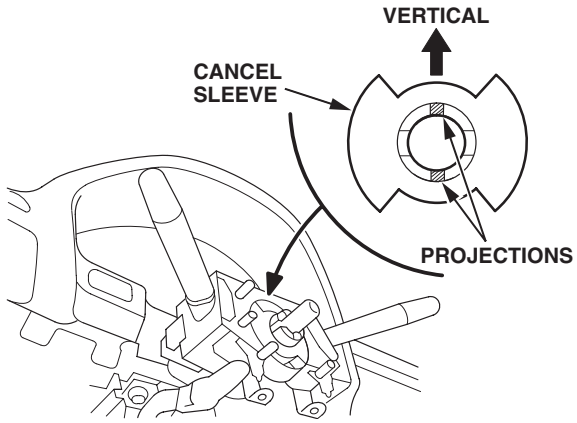
15. Use a small, flat-tipped screwdriver to lightly dimple the shield in eight places as shown.

NOTICE

Do not press too hard with the screwdriver when dimpling the shield. The dimples should be deep enough to catch your fingernail on. If the dimples are too deep, the steering effort will be too high and the steering column would have to be replaced.



16. Reinstall the combination switch assembly, and secure it with the three original screws. Reconnect the combination switch 14P connector and both wiper/washer 8P connectors.
17. Position the cancel sleeve on the combination switch assembly so that the projections on the sleeve are aligned vertically.



18. Carefully reinstall the cable reel with the original screws.
19. *1999–01 models:* Reconnect the SRS main harness 2P connector and cable reel 2P connector, and then plug the dashboard wire harness 4P connector and cable reel 4P connector together.

    2002–04 models: Reconnect the SRS main harness 4P connectors and cable reel 4P connectors.
20. Reinstall the upper and lower steering column covers with the original screws.
21. If needed, center the cable reel by first rotating the reel clockwise until it stops, and then rotating it counterclockwise (approximately two and a half turns) until the arrow mark on the reel label points straight up.
22. *1999–01 models:* Line up the paint marks, and reinstall the steering wheel. Torque the nut to 49 N·m (36 lb-ft).

    2002–04 models: Line up the paint marks, and reinstall the steering wheel. Torque the bolt to 36 N·m (28 lb-ft).
23. *1999–01 models:* Plug in the connectors for the remote audio and cruise control switches.

    2002–04 models: Plug in the connectors for the horn, remote audio, and cruise control switches.
24. *1999–01 models:* Reconnect the horn switch 1P connector, and reinstall the driver's airbag. Torque the Torx bolts to 9.8 N·m (7.2 lb-ft), and reinstall the steering wheel covers.

    2002–04 models: Reinstall the driver's airbag. Torque the Torx bolts to 9.8 N·m (7.2 lb-ft).
25. Reinstall the lower dashboard cover.
26. *1999–01 models:* Reconnect the 2P cable reel connector to the driver's airbag 2P connector.

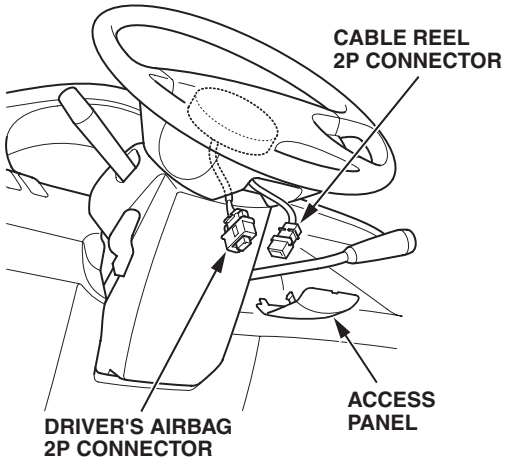
    2002–04 models: Reconnect the 4P cable reel connector to the driver's airbag 4P connector.
27. Reinstall the access panel.
28. Reconnect the battery negative cable.
29. Do the idle learn procedure.
    - Make sure all electrical items are turned off, then start the engine.
    - Let the engine reach its normal operating temperature (the cooling fan cycles twice).
    - Let the engine idle (throttle fully closed and with all electrical items off) for 10 minutes.
30. *2003–04 models:* Initialize the driver's window auto-up feature.
    - Turn the ignition switch to ON (II).
    - Make sure the driver's window is fully closed.
    - Push down and hold the window switch. Make sure the window goes all the way down.
    - Pull back and hold the window switch. Make sure the window goes all the way up, then hold the switch for at least 2 more seconds.

31. Enter the anti-theft codes for the radio and navigation system (if equipped), and then enter your customer's radio presets.
32. Reset the clock.
33. Confirm that the steering wheel controls operate properly:
    - When you turn the ignition switch to ON (II), the SRS indicators come on for about 6 seconds and then go off.
    - Make sure the horn works properly.
    - Make sure the remote audio controls work properly.
    - Make sure the turn signals work properly.

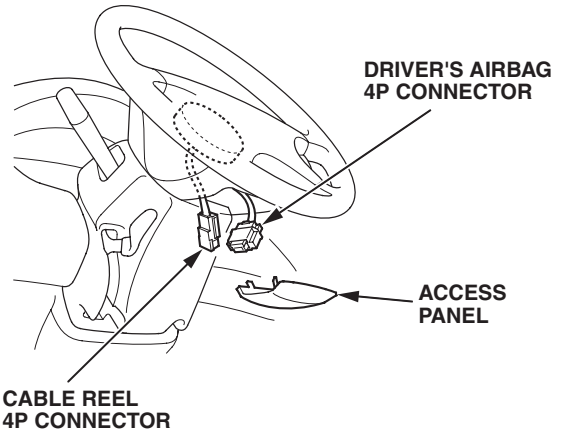
REPAIR PROCEDURE B - ACCORD

NOTE: Before doing any repairs or services, review the SRS components in this area (see page 23-24 of the 1998–02 Accord Service Manual) and the precautions and procedures (see page 23-28).

1. Make sure you have the anti-theft code for the radio. Write down your customer's radio station presets.
2. Disconnect the battery negative cable. Wait at least 3 minutes to allow the SRS control unit to discharge.
3. Remove the access panel from under the steering wheel.
4. *1998–00 models:* Unplug the cable reel 2P connector from the driver's airbag 2P connector.

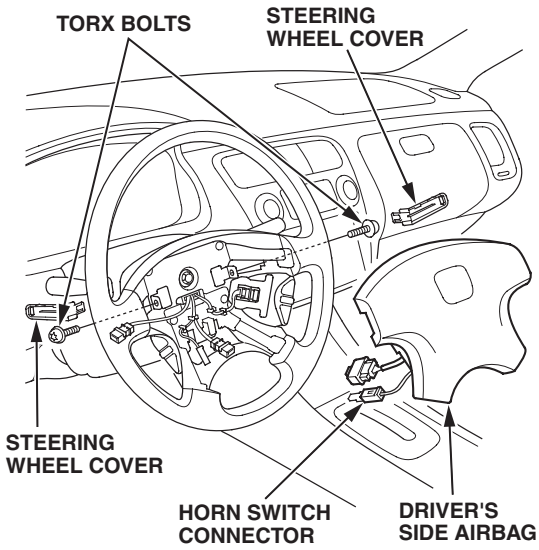


2001–02 models: Unplug the cable reel 4P connector from the driver's airbag 4P connector.



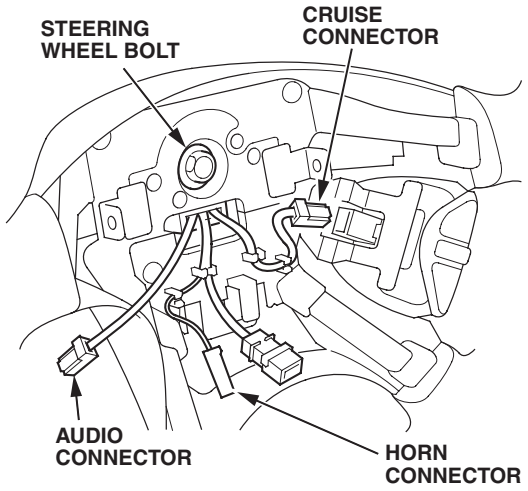
NOTE: When unplugged, the driver's airbag connector is automatically shorted.

5. Remove the two steering wheel covers. Use a Torx T30 bit to remove the two Torx bolts. Remove the driver's airbag, and disconnect the horn switch 1P connector.

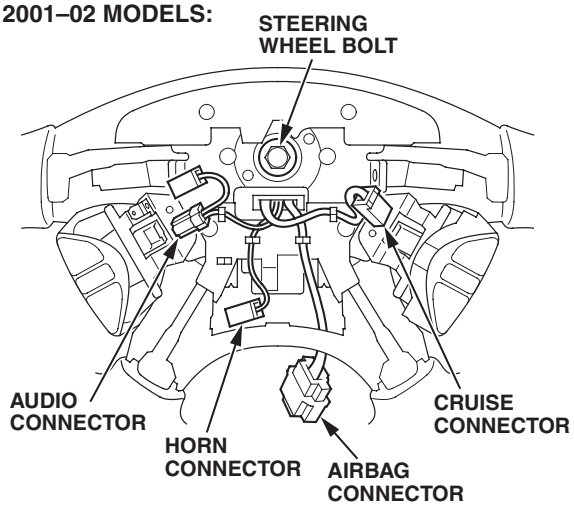


6. Unplug the connectors from the remote audio and cruise control switches.

1998–00 MODELS:

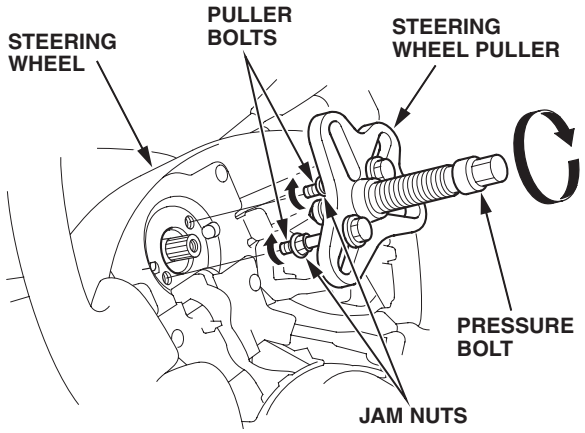


2001–02 MODELS:

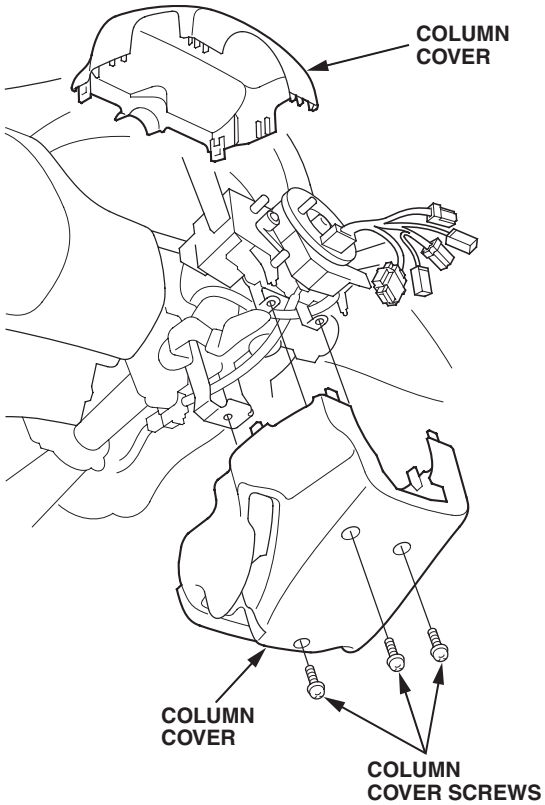


7. Make sure the front wheels are aligned straight ahead.

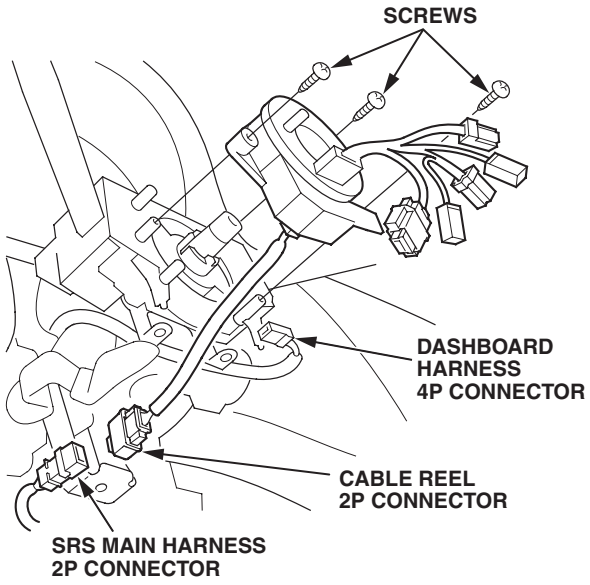
8. Loosen the steering wheel bolt. Make an alignment mark on the steering shaft with a paint strip. Using a commercially available steering wheel puller, release the steering wheel from the steering shaft.
   - Do not tap on the steering wheel or the steering column shaft when removing the steering wheel.
   - If you thread the puller bolts into the wheel hub more than five threads, the bolts will hit the cable reel and damage it. To prevent this, install a pair of jam nuts five threads up on each puller bolt.



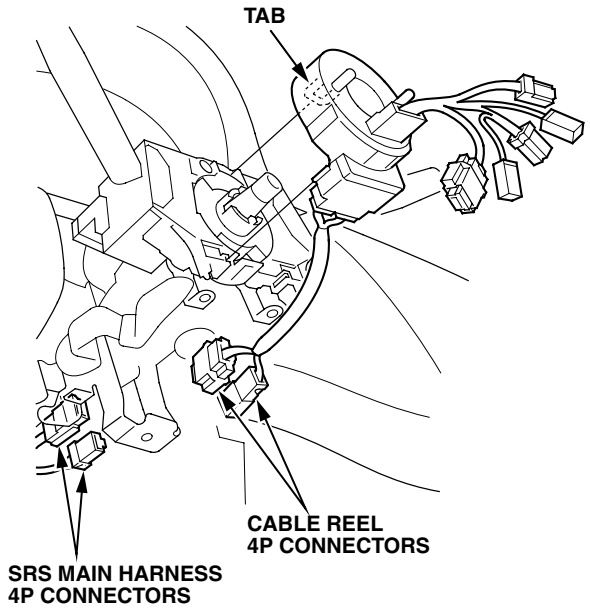
9. Remove the steering wheel puller. Remove the bolt, and then remove the steering wheel from the steering column.
10. Remove the upper and lower steering column covers.



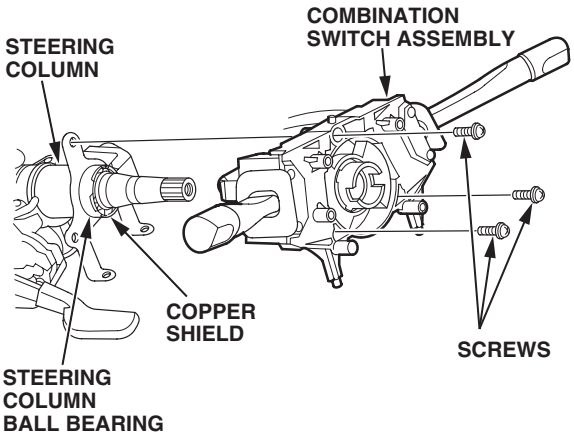
11. *1998–00 models:* Unplug the SRS main harness 2P connector from the cable reel 2P connector, and then detach the dashboard wire harness 4P connector from the cable reel. Remove the screws from the cable reel, and then remove the cable reel from the column.



2001–02 models: Unplug the SRS main harness 4P connectors from the cable reel 4P connectors. Release the tab, and then remove the cable reel from the column



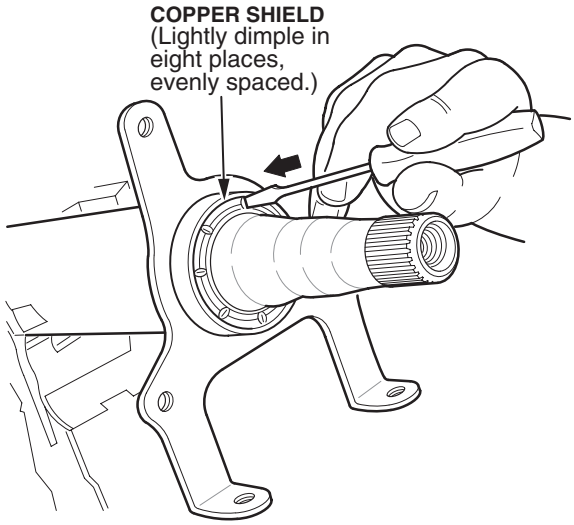
12. Unplug the combination switch 14P connector and both wiper/washer 8P connectors. Remove the three screws from the combination switch assembly, and then remove the combination switch from the steering column.



13. Use a small, flat-tipped screwdriver to lightly dimple the shield in eight places as shown.

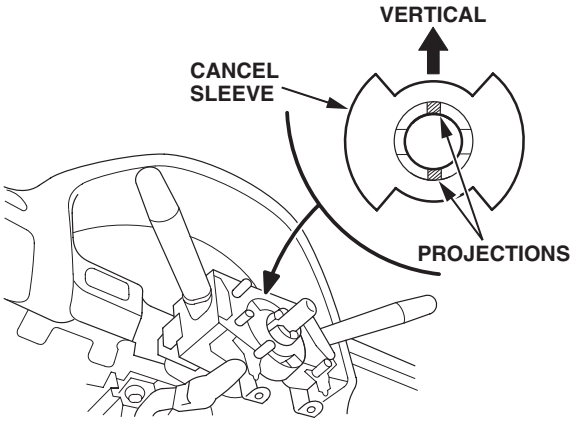
NOTICE

Do not press too hard with the screwdriver when dimpling the shield. The dimples should be deep enough to catch your fingernail on. If the dimples are too deep, the steering effort will be too high, and the steering column would have to be replaced.



14. Reinstall the combination switch assembly, and secure it with the three original screws. Reconnect the combination switch 14P connector and both wiper/washer 8P connectors.

15. Position the cancel sleeve on the combination switch assembly so that the projections on the sleeve are aligned vertically.



16. Carefully reinstall the cable reel with the original screws.
17. *1998–00 models:* Reconnect the SRS main harness 2P connector and cable reel 2P connector, and then plug the dashboard wire harness 4P connector and cable reel 4P connector together.

    2001–02 models: Reconnect the SRS main harness 4P and cable reel 4P connectors.
18. Reinstall the upper and lower steering column covers with the original screws.
19. If needed, center the cable reel by first rotating the reel clockwise until it stops, and then rotating it counterclockwise (approximately two and a half turns) until the arrow mark on the reel label points straight up.
20. Line up the paint marks, and reinstall the steering wheel. Torque the bolt to 49 N·m (36 lb-ft).
21. Plug in the connectors for the remote audio and cruise control switches.
22. Reconnect the horn switch 1P connector, then reinstall the driver's airbag. Torque the Torx bolts to 9.8 N·m (7.2 lb-ft). Reinstall the steering wheel covers.
23. *1998–00 models:* Reconnect the 2P cable reel connector to the driver's airbag 2P connector.

    2001–02 models: Reconnect the 4P cable reel connector to the driver's airbag 4P connector.
24. Reinstall the access panel.
25. Reconnect the battery negative cable.
26. Do the idle learn procedure.
    - Make sure all electrical items are turned off, then start the engine.
    - Let the engine reach its normal operating temperature (the cooling fan cycles twice).
    - Let the engine idle (throttle fully closed and with all electrical items off) for 10 minutes.
27. Initialize the driver's window auto-up feature.
    - Turn the ignition switch to ON (II).
    - Make sure the driver's window is fully closed.
    - Push down and hold the window switch. Make sure the window goes all the way down.
    - Pull back and hold the window switch. Make sure the window goes all the way up, then hold the switch for at least 2 more seconds.
28. Enter the anti-theft code for the radio, and then enter your customer's radio presets.
29. Reset the clock.
30. Confirm that the steering wheel controls operate properly:
    - When you turn the ignition switch to ON (II), the SRS indicators come on for about 6 seconds and then go off.
    - Make sure the horn works properly.
    - Make sure the remote audio controls work properly.
    - Make sure the turn signals work properly.